Under Reperverkes Shuction Act of 1995.  TRANSMITTAL FORM  (to be used for all correspondence after initial formula in the correspondence of Pages in This Submission	Application Number  Filing Date  First Named Inventor  Art Unit  Examiner Name	10/08/2004	/an Buskirk
Fee Transmittal Form Fee Attached  Amendment/Reply After Final Affidavits/declaration(s)  Extension of Time Request Express Abandonment Request Information Disclosure Statement  Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence  Terminal Disclaimer  Request for Refund  ✓ CD, Number of CD(s) 2  Landscape Table on C	Address	After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter Other Enclosure(s) (please Identify below):
SIGNA	TURE OF APPLICANT, ATTO	RNEY, C	OR AGENT
Signature  Printed name  John S. Paniaguas  Date  August 1, 2008	n, LLP	Reg. No.	31,051
L hereby certify that this correspondence is the	ERTIFICATE OF TRANSMISS  Deing facsimile transmitted to the USP  avelope addressed to: Commissioner f	TO or depo	ILING sited with the United States Postal Service with P.O. Box 1450, Alexandria, VA 22313-1450 on

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Michael S. Tomsa

Typed or printed name

Date August 1, 2008



United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/575,278

James E. Van Buskirk

28145000212

Katten Machin Roseman 525 West Monroe Street

**Patent Administrator** 

Chicago, IL 60661

PCT/US04/33290

INTERNATIONAL APPLICATION NO.

I.A. FILING DATE

PRIORITY DATE

10/08/2004

10/09/2003

**CONFIRMATION NO. 3697 371 FORMALITIES LETTER** 



Date Mailed: 07/17/2008

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 04/10/2006
- Copy of the International Search Report filed on 04/10/2006
- Copy of IPE Report filed on/03/05/2007
- Preliminary Amendments filed on 04/10/2006
- Information Disclosure Statements filed on 08/10/2006
- Biochemical Sequence Diskette filed on 03/05/2007
- Oath or Declaration filed on 03/05/2007
- Biochemical Sequence Listing filed on 04/10/2006
- U.S. Basic National Fees filed on 04/10/2006
- Assignment filed on 02/27/2007
- Priority Documents filed on 04/10/2006
- Power of Attorney filed on 03/05/2007

Applicant's response filed 03/05/2007 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 11/20/2006 have not been completed.

• A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Refer to attachment or PAIR document dated .

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).



Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <a href="http://www.uspto.gov/ebc.">http://www.uspto.gov/ebc.</a>

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204



## TAPPETE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

James Edwin Van Buskirk

Serial No.:

10/575,278

Filing Date:

October 8, 2004

Title:

Method, Apparatus and System for Synthesizing an Audio Performance

Using Convolution at Multiple Sample Rates

Group Art Unit:

Not yet assigned.

Examiner:

Not yet assigned.

## TRANSMITTAL LETTER FOR COMPACT DISC SUBMISSION

Enclosed are two compact discs having identical copies of one computer program listing. The compact discs are in Read-Only format and are in full compliance with the American Standard Code for Information Interchange (ASCII). The machine format for the compact discs is IBM-PC and the operating system compatibility is Windows. A listing of files contained on the compact discs, including files names, sizes in bytes, and dates of creation is attached hereto.

John S. Paniaguas

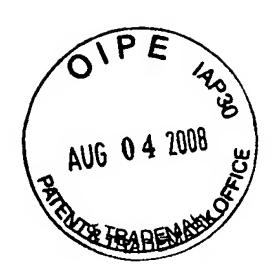
Reg. No. 31,051

KATTEN MUCHIN ROSENMAN LLP 2900 K Street NW

Suite 200

Washington, D.C. 20007

Telephone: (312) 902-5200 Facsimile: (312) 902-1061



File Name	▲ File Date	File Size	File Kind	
V GA				
FILTER.CPP	04/28/2004	95 KB	Plain text	
Filter Coefficient Data	10/08/2004	306 bytes	Folder	
ExpSRC1.cpp	04/26/2002	16 KB	Plain text	
PolyphaseGen1.cpp	03/24/2003	11 KB	Plain text	
PolyphaseGen1Dev.cpp	04/26/2002	9 KB	Plain text	
PolyphaseGen1_X18u.cpp	06/12/2003	11 KB	Plain text	
lpf.txt	10/08/2003	344 bytes	Plain text	
pcm2floatText.cpp	10/08/2003	2 KB	Plain text	
polybank.txt	10/08/2003	22.02 MB	Plain text	
GPulseDatalO.cpp	07/23/2004	334 KB	Plain text	
GigaPulse SRS V1.003.txt	10/08/2003	20 KB	Plain text	·
₩ 🔝 Impulse Data	08/01/2008	578 bytes	Folder	
Binary Impulse Data file format.txt	10/08/2003	12 KB	Plain text	
dat2floatText.cpp	10/08/2003	2 KB	Plain text	
emulated_akgc24.txt	10/08/2003	852 KB	Plain text	)
emulated_md421.txt	10/08/2003	843 KB	Plain text	,
emulated_nt1000.txt	10/08/2003	171 KB	Plain text	
exct1.txt	10/08/2003	179 KB	Plain text	
inv_emulated_akgc24.txt	10/08/2003	857 KB	Plain text	
inv_emulated_md421.txt	10/08/2003	851 KB	Plain text	
inv_emulated_nt1000.txt	10/08/2003	172 KB	Plain text	
micnone.txt	10/08/2003	164 KB	Plain text	
musnone.txt	10/08/2003	574 KB	Plain text	
neck2bridge.txt	10/08/2003	165 KB	Plain text	
pedupdown2.txt	10/08/2003	5.44 MB	Plain text	
tensecs.txt	10/08/2003	2.75 MB	Plain text	
MMODEL.H	05/05/2004	28 KB	Plain text	
NFXSYS.H	08/12/2003	5 KB	Plain text	

GigaPulse Patent CD - full	08/01/2008	544 bytes	Folder
EWCTL32	10/08/2004	170 bytes	Folder
FXManager.cpp	08/20/2004	97 KB	Plain text
FxbFxpFileIO.cpp	07/23/2004	25 KB	Plain text
MPORT.CPP	07/20/2004	41 KB	Plain text
Filter Coefficient Data	10/08/2004	306 bytes	Folder
ExpSRC1.cpp	04/26/2002	16 KB	Plain text
PolyphaseGen1.cpp	03/24/2003	11 KB	Plain text
PolyphaseGen1Dev.cpp	04/26/2002	9 KB	Plain text
PolyphaseGen1_X18u.cpp	06/12/2003	11 KB	Plain text
lpf.txt	10/08/2003	344 bytes	Plain text
pcm2floatText.cpp	10/08/2003	2 KB	Plain text
polybank.txt	10/08/2003	22.02 MB	Plain text
GPulseFileIO	10/08/2004	816 bytes	Folder
MapsEncoderFileIOMicrophone.cpp	01/19/2004	29 KB	Plain text
MapsFileIO.h	06/18/2004	6 KB	Plain text
MapsFileIO_INIDAT.h	04/06/2004	8 KB	Plain text
MapsFileIO_Master.cpp	07/23/2004	235 KB	Plain text
MapsFileIO_Mic.cpp	03/17/2004	6 KB	Plain text
MapsFileIO_Mic_IIS.cpp	11/24/2003	6 KB	Plain text
MapsFileIO_Mic_IIS.h	03/17/2004	2 KB	Plain text
MapsFileIO_Mic_INIDAT.cpp	05/03/2004	41 KB	Plain text
MapsFileIO_Mic_INIDAT.h	03/17/2004	3 KB	Plain text
MapsFileIO_Plc.cpp	06/18/2004	20 KB	Plain text
MapsFileIO_Plc.h	06/17/2004	4 KB	Plain text
MapsFileIO_Plc_Gig.cpp	07/19/2004	59 KB	Plain text
MapsFileIO_Plc_Gig.h	06/28/2004	5 KB	Plain text
MapsFileIO_Plc_IIS.cpp	06/17/2004	58 KB	Plain text
MapsFileIO_Plc_IIS.h	06/17/2004	4 KB	Plain text
MapsFileIO_Plc_INIDAT.cpp	06/09/2004	94 KB	Plain text
MapsFileIO_Plc_INIDAT.h	06/09/2004	5 KB	Plain text
StdAfx.cpp	10/10/2003	210 bytes	Plain text
StdAfx.h	04/28/2004	990 bytes	Plain text
UtilsIIS.cpp	07/19/2004	177 KB	Plain text
mapsfileio_master.h	07/19/2004	15 KB	Plain text
mapsfileio_mic.h	11/24/2003	2 KB	Plain text
GPulseNFX	08/01/2008	578 bytes	Folder
GPulseDataIO.cpp	07/23/2004	334 KB	Plain text
GPulseDataIO.h	07/23/2004	19 KB	Plain text
GPulseInterface.cpp	07/28/2004	23 KB	Plain text
GPulseInterface.h	12/31/2003	2 KB	Plain text

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i i	GigaPulseEncoderData.cpp	09/16/2004 '	287 KB	Plain text
•	GigaPulseEncoderData.h	07/19/2004	10 KB	Plain text
	MapsDlgs.h	02/20/2004	2 KB	Plain text
	MicGroupEncoderData.cpp	07/19/2004	95 KB	Plain text
	MicGroupEncoderData.h	07/07/2004	3 KB	Plain text
	PresetEdit.cpp	05/24/2004	1 KB	Plain text
	PresetEdit.h	05/24/2004	1 KB	Plain text
	StdAfx.cpp	10/10/2003	830 bytes	Plain text
	StdAfx.h	03/17/2004	2 KB	Plain text
	resource.h	05/24/2004	2 KB	Plain text
200 m		10/08/2003	20 KB	Plain text
***************************************	GigaPulseUl	08/01/2008	1 KB	Folder
	CollapsibleMicControlsPane.cpp	06/09/2004	12 KB	Plain text
	CollapsibleMicControlsPane.h	05/26/2004	3 KB	Plain text
	DecoderMuteGroup.cpp	06/28/2004	11 KB	Plain text
	DecoderMuteGroup.h	05/05/2004	3 KB	Plain text
	DecoderWnd.cpp	05/05/2004	19 KB	Plain text
	DecoderWnd.h	03/23/2004	4 KB	Plain text
	EncoderWnd.cpp	04/05/2004	29 KB	Plain text
	EncoderWnd.h	01/05/2004	5 KB	Plain text
	GigaFXData.h	01/21/2004	5 KB	Plain text
	GigaPulseData.cpp	07/19/2004	32 KB	Plain text
	GigaPulseData.h	07/23/2004	18 KB	Plain text
	GigaPulsePluginData.cpp	04/14/2004	0 bytes	Plain text
	GigaPulsePluginData.h	04/14/2004	0 bytes	Plain text
	GigaPulseTestEncoderData.cpp	04/14/2004	0 bytes	Plain text
	GigaPulseTestEncoderData.h	04/14/2004	0 bytes	Plain text
	GigaPulseTestPluginData.cpp	04/14/2004	0 bytes	Plain text
	GigaPulseTestPluginData.h	04/14/2004	0 bytes	Plain text
	InputLevelsGroup.cpp	04/22/2004	22 KB	Plain text
	InputLevelsGroup.h	11/26/2003	4 KB	Plain text
	MicControlsGroup.cpp	05/24/2004	43 KB	Plain text
	MicControlsGroup.h	05/24/2004	4 KB	Plain text
	MicGroupData.cpp	06/28/2004	14 KB	Plain text
	MicGroupData.h	06/28/2004	5 KB	Plain text
	MicModelGroup.cpp	07/12/2004	24 KB	Plain text
	MicModelGroup.h	11/26/2003	4 KB	Plain text
	MicModelPair.cpp	11/20/2003	6 KB	Plain text
	MicModelPair.h	11/20/2003	3 KB	Plain text
	PlacementGroup.cpp	07/23/2004	37 KB	Plain text

' PlacementGroup.h	05/26/2004	5 KB	Plain text
PlacementGroup.h PlugInWnd.cpp	01/05/2004	19 KB	Plain text
PlugInWnd.h	01/05/2004	4 KB	Plain text
Readme.txt	09/26/2003	1 KB	Plain text
Routing Matrix.cpp	05/24/2004	25 KB	Plain text
Routing Matrix.h	04/05/2004	3 KB	Plain text
SpaceSelection.cpp	07/23/2004	41 KB	Plain text
SpaceSelection.h	12/31/2003	4 KB	Plain text
StdAfx.cpp	09/26/2003	209 bytes	Plain text
StdAfx.h	10/02/2003	1 KB	Plain text
TailExtensionGroup.cpp	04/22/2004	12 KB	Plain text
TailExtensionGroup.h	11/26/2003	3 KB	Plain text
res	08/01/2008	102 bytes	Folder
₩ Cara Impulse Data	08/01/2008	578 bytes	Folder
Binary Impulse Data file format.txt	10/08/2003	12 KB	Plain text
dat2floatText.cpp	10/08/2003	2 KB	Plain text
emulated_akgc24.txt	10/08/2003	852 KB	Plain text
emulated_md421.txt	10/08/2003	843 KB	Plain text
emulated_nt1000.txt	10/08/2003	171 KB	Plain text
exct1.txt	10/08/2003	179 KB	Plain text
inv_emulated_akgc24.txt	10/08/2003	857 KB	Plain text
inv_emulated_md421.txt	10/08/2003	851 KB	Plain text
inv_emulated_nt1000.txt	10/08/2003	172 KB	Plain text
micnone.txt	10/08/2003	164 KB	Plain text
musnone.txt	10/08/2003	574 KB	Plain text
neck2bridge.txt	10/08/2003	165 KB	Plain text
pedupdown2.txt	10/08/2003	5.44 MB	Plain text
tensecs.txt	10/08/2003	2.75 MB	Plain text
KFILTER	08/01/2008	238 bytes	Folder
COMMON.H	12/02/2002	599 bytes	Plain text
DRIVER.CPP	11/19/2003	4 KB	Plain text
FILTER.CPP	04/28/2004	95 KB	Plain text
NFXSYS.H	04/28/2004	5 KB	Plain text
MAPSCommon	08/01/2008	136 bytes	Folder
inc	10/08/2004	238 bytes	Folder
IPPDEFS.H	07/09/2003	12 KB	Plain text
ippmerged.h	11/21/2002	1 KB	Plain text
ipps.h	07/09/2003	314 KB	Plain text
ippsdrv.h	07/09/2003	3 KB	Plain text
mmodel.h	05/05/2004	28 KB	Plain text
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T Iniahainiai	00/01/2000	1 110	1 01451
AdvancedGPulseConfig.cpp	12/31/2003	2 KB	Plain text
AdvancedGPulseConfig.h	12/31/2003	1 KB	Plain text
Browse4Dir.cpp	06/28/2004	. 38 KB	Plain text
Browse4Dir.h	06/28/2004	3 KB	Plain text
Encode2GigDlg.cpp	07/19/2004	120 KB	Plain text
Encode2GigDlg.h	07/12/2004	10 KB	Plain text
IIB_Editor.cpp	06/09/2004	22 KB	Plain text
IIB_Editor.h	06/09/2004	2 KB	Plain text
IISProperties.cpp	12/31/2003	5 KB	Plain text
IISProperties.h	12/15/2003	1 KB	Plain text
InstrPresetOptions.cpp	12/09/2003	15 KB	Plain text
InstrPresetOptions.h	04/22/2004	2 KB	Plain text
MMHeaderInfo.cpp	05/07/2004	35 KB	Plain text
MMHeaderInfo.h	04/22/2004	3 KB	Plain text
MapsInfo.h	05/07/2004	10 KB	Plain text
MapsMgr.cpp	07/02/2004	7 KB	Plain text
MapsMgr.h	07/02/2004	2 KB	Plain text
MapsMgrDlg.cpp	06/28/2004	116 KB	Plain text
MapsMgrDlg.h	06/28/2004	7 KB	Plain text
MasterAdvancedOptions.cpp	04/26/2004	39 KB	Plain text
MasterAdvancedOptions.h	04/14/2004	2 KB	Plain text
MasterPlacementCfg.cpp	06/18/2004	164 KB	Plain text
MasterPlacementCfg.h	06/17/2004	5 KB	Plain text
MicGroupCfg.cpp	04/26/2004	6 KB	Plain text
MicGroupCfg.h	04/09/2004	1 KB	Plain text
MicPlcDlg.cpp	06/09/2004	19 KB	Plain text
MicPlcDlg.h	04/26/2004	2 KB	Plain text
PlacementCfgDlg.cpp	06/09/2004	88 KB	Plain text
PlacementCfgDlg.h	04/14/2004	5 KB	Plain text
PresetOptions.cpp	12/09/2003	2 KB	Plain text
PresetOptions.h	04/22/2004	1 KB	Plain text
Progress.cpp	12/09/2003	2 KB	Plain text
Progress.h	12/09/2003	1 KB	Plain text
ProgressEncode.cpp	07/07/2004	6 KB	Plain text
ProgressEncode.h	07/07/2004	1 KB	Plain text
StdAfx.cpp	12/09/2003	209 bytes	Plain text
StdAfx.h	06/28/2004	1 KB	Plain text
Utils.cpp	04/22/2004	9 KB	Plain text
Utils.h	04/14/2004	2 KB	Plain text
UtilsIIS.cpp	05/07/2004	27 bytes	Plain text

UtilsUI.cpp	04/30/2004 .	5 KB	Plain text
UtilsUI.h	04/22/2004	613 bytes	Plain text
WamStereoWave.cpp	12/09/2003	1 KB	Plain text
₩amStereoWave.h	12/09/2003	1 KB	Plain text
res	08/01/2008	102 bytes	Folder
resource.h	07/07/2004	14 KB	Plain text
NSTATION	10/08/2004	238 bytes	Folder
DISPATCH.CPP	04/12/2004	12 KB	Plain text
NSDRIVER.H	08/20/2004	14 KB	Plain text
NSTATION.CPP	04/08/2004	22 KB	Plain text
clist.cpp	11/21/2002	з КВ	Plain text
clist.h	11/21/2002	2 KB	Plain text
ew.sys	08/01/2008	374 bytes	Folder
MIXER.CPP	10/03/2003	60 KB	Plain text
MPARSER.C	09/29/2003	183 KB	Plain text
NFX.C	05/27/2003	22 KB	Plain text
NSIF.CPP	06/17/2003	10 KB	Plain text
SYNENGC.C	08/18/2003	7 KB	Plain text
fadPanTb.c	05/20/2003	236 KB	Plain text
<b>▼</b> [ i386	08/01/2008	102 bytes	Folder
impfp01.c	03/24/2003	1.50 MB	Plain text
nmexpdrv	08/01/2008	340 bytes	Folder
CPUID.H	07/18/2003	1 KB	Plain text
cpudef.h	11/21/2002	10 KB	Plain text
exit.c	11/21/2002	1 KB	Plain text
funclist.h	07/18/2003	1 KB	Plain text
ippmerged.c	07/18/2003	9 KB	Plain text
ippsexp.c	11/21/2002	1 KB	Plain text
ippsexp.h	11/21/2002	1 KB	Plain text
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